University of Massachusetts

BOSTON

1965 – 1966

UNIVERSITY OF MASSACHUSETTS
BULLETIN

This catalog of the University of Massachusetts — Boston presents announcements of offerings for the sessions of 1965-1966. The University reserves, for itself and its departments, the right to change or withdraw the announcements made in its catalog.

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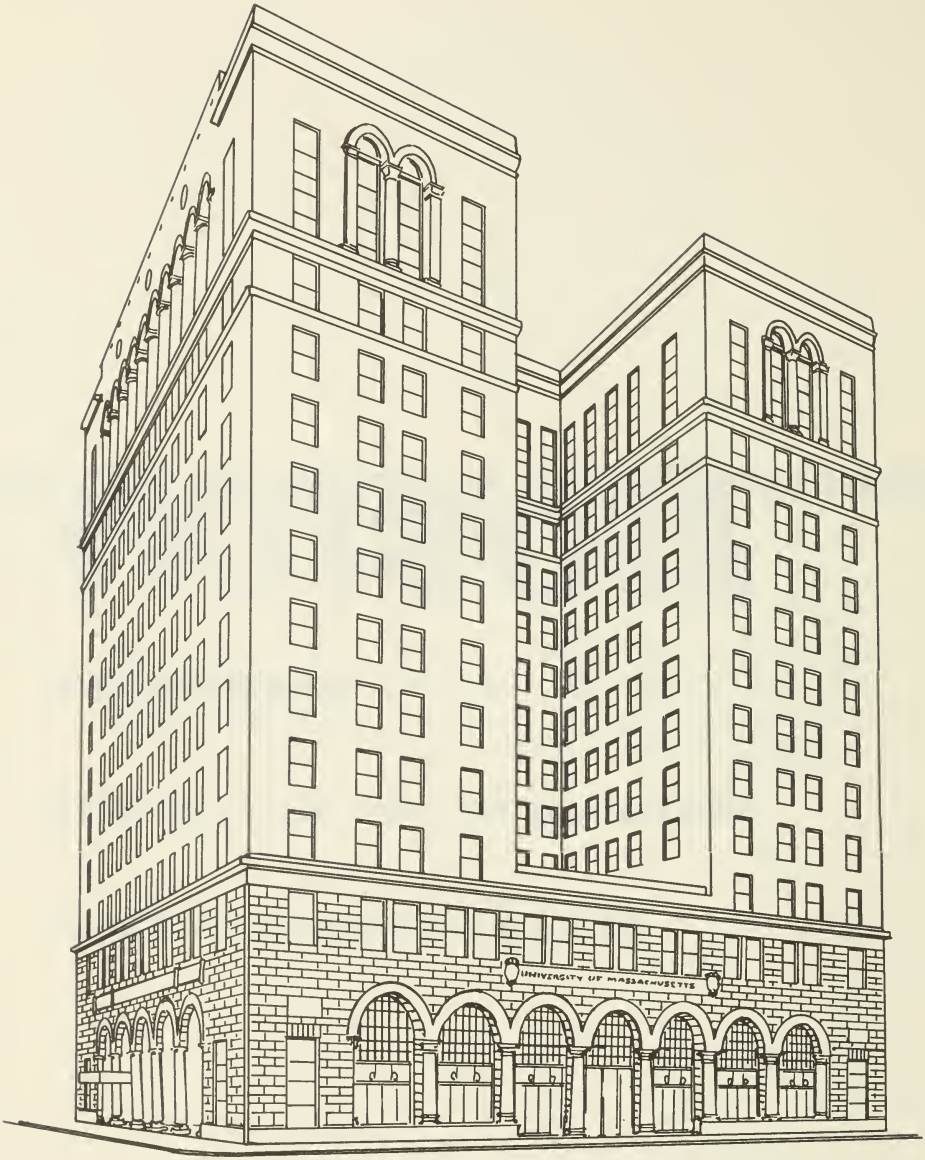
UNIVERSITY OF MASSACHUSETTS Boston

1965–1966

Catalog of the University

First Academic Year



The University of Massachusetts — Boston is situated at 250 Stuart Street at the corner of Arlington Street (see map at back of catalog). Constructed in 1926-27, the building has thirteen floors above ground level and two below. Its exterior walls on the street sides are composed of Indiana limestone. Ornamental arches decorate the entrance areas as well as the top floor. Occupied for many years as a modern office building, the structure in overall design is readily adaptable for use as an educational center in a great metropolitan area.

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CORRESPONDENCE

Inquiries regarding the general program of the University should be directed to:

Office of the Chancellor
University of Massachusetts — Boston
250 Stuart Street
Boston, Massachusetts 02116

Inquiries regarding admission, expenses and financial aid should be directed to:

Mr. F. Donald Costello
Admissions Counselor
University of Massachusetts — Boston
250 Stuart Street
Boston, Massachusetts 02116

ACADEMIC CALENDAR FOR 1965-1966

1965	Thursday, September 9	Registration
	Friday, September 10	Classes begin: 8 a.m.
	Tuesday, October 12	Columbus Day: no classes
	Saturday, October 30	Mid-term marks close
	Thursday, November 11	Veterans' Day: no classes
	Friday, November 12	Thursday class schedule will be followed
	Wednesday, November 24	Thanksgiving recess begins after last class
	Monday, November 29	Classes resume
	Wednesday, December 1	Counseling Day: no classes
	Saturday, December 18	Christmas recess begins after last class
1966	Monday, January 3	Classes resume
	Saturday, January 8	Last day of classes
	Wednesday, January 12	Final examinations begin
	Thursday, January 20	Last day of final examinations
	Monday, January 31	Registration
	Tuesday, February 1	Classes begin: 8 a.m.
	Tuesday, February 22	Washington's Birthday: no classes
	Saturday, March 19	Mid-term marks close
		Spring Recess begins after last class
	Monday, March 28	Classes resume
	Tuesday, April 19	Patriots' Day: no classes
	Wednesday, May 4	Counseling Day: no classes
	Tuesday, May 24	Last day of classes
	Thursday, May 26	Final examinations begin
	Monday, May 30	Memorial Day: no classes
	Saturday, June 4	Last day of final examinations

TRUSTEES OF THE UNIVERSITY OF MASSACHUSETTS

Organization of 1965

Members of the Board	*Term Expires*
Dennis Michael Crowley of Boston	1966
Martin Sweig of Winthrop	1966
Frank Learoyd Boyden of Deerfield	1967
George L. Pumphret of Dorchester	1967
Harry Dunlap Brown of North Chatham	1968
John William Haigis, Jr. of Greenfield	1968
Most Reverend Christopher Joseph Weldon of Springfield	1969
Fred C. Emerson of Agawam	1969
Edmund J. Croce of Worcester	1969
Calvin H. Plimpton of Amherst	1969
Hugh Thompson of Milton	1969
Joseph P. Healey of Arlington	1970
Frederick Sherman Troy of Boston	1970
Robert D. Gordon of Lincoln	1971
Louis Martin Lyons of Cambridge	1971
Mrs. George R. Rowland of Boston	1972
John J. Maginnis of Worcester	1972

Members Ex Officio

His Excellency, John A. Volpe, *Governor of the Commonwealth.*
John William Lederle, *President of the University.*
Alfred L. Frechette, *Commissioner of Public Health.*
Owen B. Kiernan, *Commissioner of Education.*
Charles Henry McNamara, *Commissioner of Agriculture.*
Harry C. Solomon, *Commissioner, Department of Mental Health.*

Officers of the Board

His Excellency, John A. Volpe, *Governor of the Commonwealth, President of the Board.*
Frank Learoyd Boyden of Deerfield, *Chairman.*
Robert Joseph McCartney of Amherst, *Secretary.*
Kenneth William Johnson of Amherst, *Treasurer.*

OFFICERS OF ADMINISTRATION

John William Lederle, A. B., A. M., LL. B., Ph. D. (University of Michigan), LL. D. (Hon., Amherst College), LITT. D. (Hon., Holy Cross College), LL. D. (Hon., Hokkaido University, Japan), *President of the University of Massachusetts.*

John William Ryan, B. A. (University of Utah), M. A., Ph. D. (Indiana University), *Chancellor of the University of Massachusetts — Boston.*

Oswald Tippo, B. S. (University of Massachusetts), A. M., Ph. D. (Harvard University), *Provost of the University of Massachusetts.*

Donald Winslow Cadigan, B. S., M. S. (University of Massachusetts), *Director of Planning, University of Massachusetts — Boston.*

Robert Joseph McCartney, B. A. (University of Massachusetts), *Secretary of the University of Massachusetts.*

Kenneth William Johnson, B. S. (University of Vermont), *Treasurer of the University of Massachusetts.*

William David Tunis, B. S., Ph. D. (University of Massachusetts), M. S. (University of Minnesota), *Dean of Admissions and Records of the University of Massachusetts.*

F. Donald Costello, B. S. (University of Massachusetts), M. Ed. (Northeastern University), *Admissions Counselor, University of Massachusetts — Boston.*

Alvan S. Ryan, B. S. (University of Massachusetts), A. M. (Harvard University), Ph. D. (State University of Iowa), *Professor of English and Chairman of Humanities, University of Massachusetts — Boston.*

Frank Joseph Seegraber, A. B. (Holy Cross College), B. S. in L. S. (Columbia University), *Assistant University Librarian, University of Massachusetts — Boston.*

GENERAL INFORMATION

THE University of Massachusetts is the State University of the Commonwealth, founded in 1863 under provisions of the Morrill Land-Grant Act passed by the United States Congress in July, 1862. Now in its second century, the University serves the state and nation as a principal resource of higher education as well as a center of research and public service. Chartered as the Massachusetts Agricultural College on April 29, 1863, the institution was established at Amherst and formally opened its doors to a handful of students in 1867. Reflecting the broadening interests of its students, the General Court of Massachusetts authorized a second name, Massachusetts State College, in April, 1931. Sixteen years later, in May, 1947, the institution became the University of Massachusetts.

Under authorization of Chapter 562 of the Acts of 1964 (General Laws of the Commonwealth of Massachusetts), the University of Massachusetts — Boston is to be opened in September, 1965, as a means of extending higher education opportunities in the Greater Boston area to increasing numbers of students.

As directed by legislative mandate, the new University is planned as a high-quality institution whose curriculum will consist of a strong core in the liberal arts and sciences, with additional opportunities for work in the more specialized professional fields to be developed in the near future. Operating on the low-tuition principle of modern public higher education, the University is designed for commuting students who can take advantage of the intellectual, cultural and recreational life of a great metropolitan center. The opening of a freshman program for the class entering in September, 1965, will be followed by the addition of sophomore, junior and senior programs in succeeding years. The operation of both campuses of the University of Massachusetts under a single governing board will bring a new level of coordinated service in the expanding field of public higher education in the Commonwealth.

PROGRAM OF INSTRUCTION

The aim of the four-year course of instruction at the University of Massachusetts — Boston is to give as high a degree of proficiency as possible in a particular branch of learning without sacrificing the breadth of knowledge that should characterize a well-rounded college education. The program will be directed toward giving students every opportunity for intellectual and cultural growth, including the systematic gathering of knowledge, development of sound standards of judgment, an appreciation of the uses of the past, familiarity with the main characteristics of American society as well as those of other nations and other peoples, and appropriate training in the tools and techniques necessary for disciplined thinking and responsible action in a highly complex world.

DEGREES

Successful completion of the four-year curriculum will lead to the degree of Bachelor of Arts or Bachelor of Science. Students may eventually major in arts and sciences curricula generally similar to those now available at the University of Massachusetts — Amherst. Professional programs will not be available in the first year, but will be offered as plans are developed. Offerings in the first year will consist chiefly of introductory courses, although there will be an opportunity for some students (such as those who pass advanced placement tests) to take courses normally given in the sophomore year. During the initial period of operation, the major fields available will be mainly in the areas of the liberal arts and sciences. Current planning also calls for offerings in education and business administration. Students who are interested in more specialized fields should, for the present, apply for admission to the University at Amherst.

FRESHMAN ADMISSIONS POLICY

WHEN AND HOW TO APPLY

Applications for admission may be obtained by writing the Admissions Office, University of Massachusetts, Amherst. High school seniors are advised to file their applications as soon as possible. College Board tests should be taken no later than the March testing date. If they are to be considered during the normal processing, applications should be received by *April 1st*. Thereafter, they may be considered only as vacancies occur. An autobiographical letter must be submitted with the application. *There is no application fee at the University of Massachusetts.*

TESTS REQUIRED

All applicants for admission, except veterans, must take the Senior Scholastic Aptitude Test given by the College Entrance Examination Board. In addition, the University requires three College Board Achievement tests, including English Composition, of every applicant whose scholastic record in grades 9 through 11 contains four or more grades below the college recommending mark of his high school. All postgraduate students are required to submit these three Achievement tests. All College Board Test reports must be sent *directly* to the Admissions Office, University of Massachusetts, Amherst from the College Board Testing Center. The applicant himself must notify the Board that he wishes his scores sent to this University.

VETERANS

Veterans are expected to take certain examinations especially suited for veterans. These examinations are given on the Amherst campus and in Boston. If service duty prohibits attendance on the specified test dates, recent Scholastic Aptitude Test results may be submitted in lieu of the University Veterans' Examination. Veterans must apply to take these tests, and may receive an application and listing of test dates by writing to the Admissions Office in Amherst.

INTERVIEW

An interview is *not* part of the admissions procedure at the University of Massachusetts. A personal conference will be scheduled only if the candidate or his guidance counselor has a question which cannot be readily resolved by correspondence. When needed, therefore, admissions counselors are available for conferences at both Boston and Amherst. All application and record forms must be on file in the Admissions Office at Amherst for any candidates requesting such an appointment.

SUBJECT REQUIREMENTS

The subjects of preparatory study required for admission call for satisfactory completion of a four-year high school course stated in terms of units. A unit is the equivalent of at least four recitations a week for a school year. High school graduation alone is not sufficient. The applicant's record must indicate capacity for handling the quality of scholastic work which the University has established as its standard of achievement. Sixteen units of secondary school work must be offered, selected in general according to the following requirements:

College Preparatory Mathematics (Preferably two years of algebra and one of plane geometry)	3
English	4
Foreign Language (2 years of 1 language)	2
U. S. History	1
Laboratory Science	1

The remaining units are elective and may be selected from the following subject matter:

a. Mathematics
b. Science
c. Foreign Language
d. History and Social Studies
e. Free electives (not more than four units, from such courses as music, art, drawing, typewriting, home economics, etc.)

Students planning to major in the physical sciences and mathematics should, if possible, offer two years of algebra, one of plane geometry, and one-half of trigonometry.

Solid geometry, chemistry, and physics, and an introduction to analytical geometry and calculus are also strongly recommended. Candidates who are deficient in one or more subjects required for admission to the University must present records which are otherwise stronger than average.

COLLEGE ENTRANCE EXAMINATION BOARD ADVANCED PLACEMENT

Successful completion in secondary school of courses approved by the College Entrance Examination Board Advanced Placement Program, or the equivalent as approved by the University, will be regarded as meeting the equivalent requirement and will be accorded credit toward graduation.

ACKNOWLEDGMENT AND NOTIFICATION

In most cases applicants will be notified by letter during April of the action taken on their applications. Applicants who present strong academic records, enthusiastic school recommendations, and satisfactory College Board scores will receive earlier notification.

EXPENSES

As a state institution of higher learning, the University charges a modest rate of tuition ($200 per year) to all students who are *bona fide* residents of Massachusetts. There is a matriculation charge of $15.00 which must be paid as soon as each applicant is notified that he or she has been accepted for admission. When the student matriculates, this charge is deducted from the first semester bill. Certain service and student activity fees will also be billed to the student. A detailed schedule of all fees and charges will be available in a supplementary document to be sent to all prospective entrants before matriculation. Students should also, of course, be prepared to meet the customary expenses involved in the purchase of books, stationery, laboratory and other supplies. Such costs amount normally to approximately $100 to $150 per year. Total University-related expenses, exclusive of meals, should therefore not exceed $500 per year.

FINANCIAL AID

Various types of financial aid will be available for deserving students who demonstrate that they are unable to meet their University expenses. Such assistance can be in the form of scholarships, loans, part-time employment, and work-study programs under the Economic Opportunity Act. Information about financial aid will accompany each application sent to prospective candidates for admission.

HOUSING

Since the University of Massachusetts — Boston is designed to serve a commuting student body, no University-operated or supervised housing will be provided.

GENERAL ACADEMIC REGULATIONS

CONDUCT

The customary high standard of college men and women in honor, self-respect, and consideration for the rights of others constitutes the ideal of student conduct. The privileges of the University may be withdrawn from any student at any time if such action is deemed advisable. It should be understood that the University, acting through its president or any administrative officer designated by him, distinctly reserves the right, not only to suspend or dismiss students, but also to name conditions under which they may remain in the institution. Hazing in the sense of the punishment or humiliation of students is not permitted.

ATTENDANCE

The attendance of students at all regularly scheduled classes at the University of Massachusetts — Boston is expected. No administrative control of attendance is exercised except as hereinafter provided. In cases of illness, students are to explain their absences directly to their instructors. The grade of the student who has met the requirements of the instructor in making up his work shall not be reduced for absence because of illness.

Because the University believes fully in the educational value of outside-of-class activities, including trips which will take students off campus, students are not to be penalized for official absences incurred as a result of such activities. Any student going on such a trip will be entitled to receive make-up work from the instructor in classes missed. If the instructor finds it inconvenient to give a special examination, he has the alternative of not counting the examination missed by the student in computing the final average.

The University has a responsibility for all groups of students who are to be away from their classes or from the University on trips for authorized activities. The person in charge of any such activity involving authorized absence from class shall place the trip announcement on file in the office of the appropriate dean or department head, with a copy to the schedule office. This listing

shall show the designation of the group or groups to be making the trip, time of departure, destination, and time of return. This information is to be filed at the beginning of the semester for all activities scheduled at that time, otherwise at as early a time during the semester as the information becomes available. In no event should such announcement be later than ten days prior to the day of departure.

Authorization for trips may be made by the appropriate student personnel dean for extra-curricular trips; and by the academic dean or designated department head for class trips. For trips extending beyond the normal business hours of the University, a trip list should be submitted to the student personnel dean for use in case of possible emergencies. This list should include an alphabetical list of student participants, the place at which the event is to be held, the mode of travel, and the name of the instructor or staff member who is to accompany the group. If overnight absence is involved, the place where students are staying is to be indicated in the statement. Students are expected to inform instructors of their absence on authorized trips as soon as the event is announced. Any instructor desiring additional information should make contact directly with the agency authorizing the trip. (No absence or excuse cards will be issued.)

GRADE REPORTING AND RELATED REGULATIONS

Enrollment in and graduation from the University involve both quality and quantity of work. The quantity of work is measured by the credits obtained by successful completion of courses. The quality of work is measured by grades. Each grade is equated with a quality point as noted below.

Grades

Grades shall be reported according to the following letter system. No other interpretation of this letter system shall be authorized.

A — Excellent
B — Good
C — Average
D — Passing (but not satisfactory)
F — Failure
Inc. — Incomplete

The grade of Incomplete shall only be reported:

When a portion of the assigned or required class work or the final examination has not been completed because of necessary absence of the student, serious illness, extreme personal circumstances, or for scholarly reasons at the request of the instructor. If the student's record is such that he would fail the course regardless of the result of the missing work, he is to be given a failure.

In order to qualify for an incomplete, a validation form is obtained from the instructor. One would not be issued by him if the quality of the work to date did not justify it. This form is countersigned by the Health Services or the appropriate personnel or academic dean with copies returned to the instructor and filed with the Registrar.

A student can obtain credit for an incomplete only by finishing the work of the course within two weeks from the date of the final examination. The grade of incomplete is converted to a failure if the course requirements have not been satisfied by this time. Exceptions to the two week deadline may be requested by the appropriate agency in cases of protracted illness, critical personal problems, or for scholarly reasons at the request of the instructor. The initiative for removal of the incomplete grade rests with the student, but faculty members giving an incomplete grade must be responsible for making suitable arrangements for its removal.

An incomplete on a final grade report is calculated as an F in arriving at a temporary quality point average. When the incomplete is later converted to a grade, the permanent record is changed and the student is notified.

Quality Points

Quality points per semester hour will be assigned as follows: A, 4; B, 3; C, 2; D, 1; F, 0.

Averages will be computed as follows:

Semester Grade Point Average. To compute the semester grade point average, the total points earned will be divided by the total credits carried, which includes the total credits earned and failed.

Cumulative Average. To compute the cumulative grade point average, the total points earned will be divided by

the total credits carried, which is the sum of the total credits earned and failed.

Repeated Courses

A course once passed may not be repeated for a higher grade. A student who has received two or more years of language credit in high school may not take the first year of that language for college credit.

Entrance Deficiencies

A student admitted deficient in mathematics (Algebra II) takes Mathematics 011 for no credit. A student deficient in language takes a year of college language for no credit. Neither of these courses counts in the quality point average.

Semester and cumulative grade point averages will be recorded to one decimal place. At the end of the senior year, the cumulative average for all the student's academic work will be recorded to two decimal places.

In computing cumulative grade point averages the following will not be included:

1. Courses for which the student does not receive credit toward the degree.
2. Grades not earned at the University.
3. Courses satisfied by advanced placement.

This means that the cumulative credits carried on each semester's grade report do not, necessarily, reflect the credits which have been accrued towards graduation.

Scholastic Warning

A student whose semester average is below the cumulative average required for retention of his class is warned by a statement on the bottom of both his copy and his parents' copy of the grade report. This warning is to indicate that continued below-standard performance may result in failure to graduate or academic dismissal.

Dismissal

Dismissal from the University for scholastic reasons shall be based upon regulations to be administered by the Committee on Admissions and Records. Changes in these regulations may be made by the Faculty Senate and the University faculty. By action of the University Senate, the following cutting points and graduation requirements have been set:

1. Graduation Average is 1.80.
2. Second Semester Junior Year, First Semester Senior Year:

   Cumulative Average must be 1.7 unless the Semester Average is 1.8 or better.
3. Second Semester Sophomore Year, First Semester Junior Year:

   Cumulative Average must be 1.6 unless the current Semester Average is 1.7 or better.
4. Second Semester Freshman Year, First Semester Sophomore Year:

   Cumulative Average must be 1.5 unless the current Semester Average is 1.6 or better.
5. First Semester Freshman Year:

   A student will be subject to dismissal if his semester average falls below 1.4, subject to the conditions of scholastic probation (outlined below).
6. Transfers and Returning Students:

   A transfer student must satisfy the quality point average requirements of the second semester of the freshman year. Thereafter a transfer student is required to meet the academic standards of the class to which he is assigned.

   A returning student must satisfy the cumulative quality point average of the class to which he is assigned.

No new quality point hurdle is raised against students at the end of the fall semester: the cutting point in effect for the class at the end of the preceding semester remains in effect for the class until the next requirement takes effect at the end of the academic year.

A student will be dismissed for academic deficiency at the end of seven, eight, or nine semesters if he has failed to satisfy the cutting point requirements of his class set for the seventh semester. A student so dismissed may apply for readmission in the usual way.

A transfer or returning student must satisfy the cumulative quality point average of the class to which he is assigned.

SCHOLASTIC PROBATION

Conditions

A. Upperclass students and second semester freshmen who fail to meet the retention average for their class by not more than one-tenth of a point, and first semester freshmen whose averages are within six-tenths of a point are designated as being on Scholastic Probation. No academic dismissal is charged. A student may be allowed one freshman probation and only one upperclass probation semester during his college career.

B. Any student who fails to meet the retention average for his class by more than one-tenth of a point will be dismissed and charged with an academic dismissal. He will automatically be placed on Scholastic Probation at the time of his readmission.

Eligibility

A. While on Scholastic Probation students shall *not* be eligible to hold office in any recognized student organization, to represent the University in any sense on or off campus, to participate actively in any non-academic extra-curricular activity (including fraternal, dramatic, musical and publications activities).

B. The Board of Admissions and Records shall be charged with modifying, extending or limiting the restrictions on a student during his period of Scholastic Probation, and shall report all such modifications to the Faculty Senate periodically.

Termination

A. A full summer session program, normally eleven or twelve semester hours, is considered as one semester's work for purposes of lifting probation.

B. Grades and credits transferred to the University from other institutions shall not normally be considered in reviewing a student's probationary status.

FAILURES

A failed course in a subject required for the degree must be repeated. If the failed course is not required, a substitution may be made upon the approval of the advisor. Although repeated, the original failed course continues a part of the student's quality point and course record.

FINAL EXAMINATIONS

It is University policy not to require a student to take more than two final examinations in one day. When the examination schedule is published, any student who finds himself scheduled for two examinations at the same time or for three examinations on the same day is to report this situation directly to the University Schedule Office for adjustment.

GRADUATION REQUIREMENTS

It is the responsibility of the individual student to review his own progress toward graduation and the fulfillment of University and school requirements. Through his own initiative, he should address questions concerning these matters to his adviser, dean or the registrar.

All four-year curricula of the University conform to the following basic conditions:

Accumulated Credits

A. The successful completion of at least 120 semester hours of academic credit. Individual colleges, schools, divisions and departments may require more than 120 semester hours of academic credit.

Subject Requirements

B. An introduction to the basic skills of communication by successful completion of English 111 and 112 and Speech 101.

C. An introduction to the humanities by the successful completion of English 125 and 126 (or 127 and 128) and one of the elective courses (of at least 3 credits) identified by the letter "C" in the university catalogue.

D. An introduction to the social and behavioral sciences by the successful completion of three courses (of at least 3 credits each) chosen from those identified by the letter "D" in the university catalogue and from at least two departments.

E. An introduction to mathematics and the natural sciences by the successful completion of at least four courses (each of at least 3 credits) chosen from those identified by the letter "E" in the university catalogue, and from at least two of these groups: A) logic, mathematics and statistics; B) botany, entomology, microbiology and zoology; and C) astronomy, chemistry, geology and physics.

F. Intensive or specialized work in a particular department, division, school or college constituting a major and consisting of the successful completion of at least fifteen semester hours of credit in junior-senior courses in the area of the major.

Residence Requirements

It is the policy of the University that the final year's scholastic work be accomplished in residence, which is defined for this purpose as continuous enrollment and regular attendance in classes conducted on the campus of the University. This requirement may be waived by the Board of Admissions and Records upon the recommendations of the major department and Dean of the College or School. The Board may also waive the requirement for a student admitted to an appropriate professional school after completion of six or more semesters of work at the University, provided:

1. That the cumulative average at the University has been 2.5 or higher.
2. That satisfactory evidence is presented indicating completion of work comparable to that offered at the University in amount sufficient to satisfy requirements for the appropriate bachelor's degree.
3. That the major department and Dean approve.

No student is allowed more than ten semesters, including semesters at other colleges, to attain the required graduation average. Twelve semester credits earned in summer schools at the University or other colleges constitute a semester. A student who has met the required graduation average but is deficient in course requirements may continue for one additional semester (total 11).

Financial Requirements

Diplomas, transcripts of record, and letters of honorable dismissal will be withheld from all students who have not paid all bills and all loans due the University. All such bills due the University must be paid ten days preceding Commencement. If paid after that date and the student is otherwise eligible, he may graduate the following year.

HONORS

A. *University Honors Groups.* At the beginning of each semester a list is posted of those students who, during the previous semester, made a semester grade point average of 3.0 or higher. Three groups are recognized as follows:

First Honors	3.8 (3.75) or higher
Second Honors . . .	3.4 (3.35) to 3.7 (3.74) inclusive
Third Honors	3.0 (2.95) to 3.3 (3.34) inclusive

B. *Graduation with Distinction.* High ranking students will be graduated as follows:

Summa Cum Laude — Cumulative average 3.80 or higher.

Magna Cum Laude — Cumulative average 3.40 to 3.79 inclusive.

Cum Laude — Cumulative average 3.00 to 3.39 inclusive.

A transfer, to be eligible for consideration for graduation with distinction, must have earned his final 60 semester hours of credit in residence at the University.

REPORTS

A. Mid-Semester Report:

Freshman mid-semester reports are given to students by advisers and also sent home each semester. No mid-semester reports are prepared for other classes.

B. Final Grades:

First semester; given to students before being sent home.

Second semester; mailed to homes.

TRANSCRIPTS

Two transcripts of a student's record will be furnished without cost by the Registrar's Office. For each additional copy there will be a charge of $1.

REGISTRATION

Pre-Registration

Every student must report for pre-registration on the appointed day. Late pre-registrations will be charged a fee of $5. A student who does not pre-register is not assured admission into the next semester.

Registration

Each student must report for registration on the appointed day. Late registrants must pay a $5 fine.

Course Registration

No course will be recorded on the permanent records of the University nor will a student receive credit for it unless he has registered for such a course in accordance with established procedure on a regularly scheduled registration day or unless his registration shall have been made official by the signature of the Registrar. In the latter case a Program Change Card must be signed by the student's adviser and the Registrar, approving the course, and by the instructors of the courses to be dropped and added. No instructor should allow a student to enter his class unless the student was officially enrolled on a regularly scheduled registration day or submits such a Program Change Card authorizing his admission to the class. A student may not drop a course without the approval of his advisor and the Registrar on a Program Change Card and the release of the instructor. A course dropped without this approval will be recorded as a Failure.

COURSE ENROLLMENT AND WITHDRAWALS

A. General Regulations

1. Course Loads

The normal credit load is at least 15 credit hours. Regular students will carry a minimum of twelve semester hours of credit (freshmen, eleven). The maximum semester credit load is established by the office of the Registrar. Only students of high academic standing (cumulative averages of 2.5 and above) will be permitted to take an overload of one course with the approval of the dean and the Provost. Approval forms are available in the Office of the Registrar. Seniors in their final two semesters may carry an overload of one course each semester without special permission if such an overload will enable them to graduate, or an overload of two courses each semester with the approval of the academic dean. Seniors needing six or more courses totaling at least 18 credit hours to graduate may elect to spread their course load over their final two semesters.

2. Certification of Course Changes

To add, drop, or change a course, the student must obtain the signature of the instructors concerned, the faculty advisor, and the appropriate officer in the Registrar's Office. Signed cards are to be filed with the Registrar. Instructors and advisers are referred to the Manual for Faculty Advisers for specific information.

3. Exceptions to the Regulations

Exceptions to the regulations are made only in cases of protracted illness, critical personal or academic problems, and then only with the approval of the student's Academic Dean based upon recommendation of the appropriate one of the following: Health Service, Dean of Men, Women, or Students, or Counseling and Guidance Office.

B. Course Registration Changes

ADD PERIOD Within the period of up to and including ten academic days from the beginning

of a semester a student may add, drop, or substitute a course without notation on his record. Monday through Saturday are defined as full academic days. No courses may be added after this period.

W PERIOD Within the period of the 11th academic day and up to and including 28 academic days from the beginning of a semester a student may drop a course, subject to the minimum load regulation above. The notation of withdrawal on his record as a W is the only penalty. The W period is extended to six academic days beyond the closing data for mid-semester grades (printed in the University Calendar) for the first semester freshmen and first semester transfers.

WF PERIOD After the 28th academic day and subject to general regulations above, a student may not drop a course without having a WF entered on his record at the time of withdrawal. This grade is figured in the cumulative average.

C. Withdrawal from the University

Prior to the closing date for mid-semester grades, when a student withdraws from the University, grades of W will be noted on his record. The portion of the semester will not count as one of the ten semesters permitted toward graduation.

After the closing date for mid-semester grades, grades of WF or WP will be entered, as appropriate, for all courses in which the student is enrolled. The WF's will count in the cumulative average. The semester will count as one of the ten semesters permitted for graduation.

Change of Major

A student wishing to change his major must get a Major Change Card at the Registrar's Office. This change is to be approved by the head of the Department in which he is now majoring and also by his new major adviser.

This card, properly endorsed, must be returned to the Registrar's Office before the change receives final approval. As part of the major change procedure, the student takes his Academic Records Folder to the new department.

SPECIAL COURSE REGISTRATION

Advanced Placement

If a student is given advanced placement by a placement examination or by some other means, and if he completes the advanced work (the next course when the courses are in sequence) with a grade of C or better, he will be given credit but no grade for the omitted work. If the grade in the advanced work is D, he will be considered to have completed any requirement represented by the omitted work but will not receive credit for the omitted work. Credit with no grade awarded in this manner will be treated as transfer credit in the computation of quality-point averages.

Auditing

A full-time undergraduate student may audit a course by presenting his ID card to the instructor of the course, providing that the instructor can accommodate the auditor in his class, feels that the student has sound academic reasons for the audit and that the student has the proper preparation. The student will be expected to pay laboratory fees, where applicable.

Credit by Special Examination

The requirements of any course approved for credit may be met by examination upon arrangement with the office of the dean and the head of the department offering the course, provided the student's quality point average is 2.5 or higher. All such arrangements must be completed prior to the mid-semester. No student may earn more than thirty (30) semester hours of credit in this manner.

PROGRAM PATTERN FOR FIRST YEAR

Bachelor of Arts

English 111 and 112
Foreign Language
History 100 and 101
Mathematics or Natural Science
Social Science (Government, Sociology, Economics)
Elective

Bachelor of Science

English 111 and 112
Foreign Language
Mathematics
Physical Science
Biological Science
Elective

DIRECTORY OF COURSES

THE FIRST YEAR

Roman numerals designate semester in which course is offered.

ART 115. Introduction to Art.
An introduction to great works of art studied in historical sequence, including techniques and aesthetic principles. 3 class hours. Credit, 3.

BIOLOGY III (I), 112 (II). General Biology.
An integrated course in biology, designed as a college-level survey of the field. The subject matter is drawn principally from the areas of botany and zoology, but consideration is also given to fundamental concepts in microbiology and other related fields. 3 lecture-hours plus laboratory: practical exercises and demonstrations. Credit, 3 per semester.

CHEMISTRY III (I), 112 (II). General Chemistry.
A study of the fundamental chemical laws and theories, with the object of giving the student a sound scientific training through a course in Chemistry. Credit, 3.

ECONOMICS 125 (I) (II). Elements of Economics.
A study of the basic principles which govern the allocation of resources and behavior of markets in the American economy. Credit, 3.

ECONOMICS 126 (II). Problems of the National Economy.
The determinants of stability and growth of the national economy and of world economy. Credit, 3.

ENGLISH III (I), 112 (II). English Composition.
Training in effective composition; readings. 2 class hours. Credit, 2.

ENGLISH 113 (I). Special Freshman Composition.
Prerequisite: exemption from English 111. 2 class hours. Credit, 2.

ENGLISH 125 (I), 126 (II). Masterpieces of Western Literature.
A study of selected masterpieces. The course aims to enrich the student's appreciation of literary values and develop his understanding of abiding human issues. Prerequisite, English 112 or 113. English 125 or 127 is prerequisite to English 126 and to elective courses in the department. 3 class hours. Credit, 3.

ENGLISH 127 (II). Special Course in Masterpieces of Western Literature.
A study of selected masterpieces with additional outside readings; for freshmen who have taken English 113, or are otherwise specially qualified. 3 class hours. Credit, 3.

GOVERNMENT 100 (I) (II). American Government.
Political institutions and processes, as illustrated by the American governmental system. 3 class hours. Credit, 3.

GOVERNMENT 150 (I) (II). European Governments.
A survey of the politics and governmental institutions of Great Britain, France, Germany and Soviet Russia. 3 class hours. Credit, 3.

HISTORY 100 (I), 101 (II). Modern European Civilization.
The historical development of the western European countries, their ideas and institutions. Either semester may be elected independently. 3 class hours. Credit, 3.

LANGUAGES:

FRENCH 100 (I), 102 (II). Elementary French.
For students who have had no creditable training in French. Intensive practice in the four language skills. 3 class hours, 2 laboratory periods. Credit, 3.

FRENCH 107 (I) (II). Intermediate French — French Life and Culture.
An intensive review and study of the language. Readings in modern French literature. Prerequisite, French 102 or equivalent.

FRENCH 108 (I) (II). Intermediate French — French Life and Culture.
A study of some important literary works of the 19th and 20th centuries. Composition. Prerequisite, French 107. 3 class hours. Credit, 3.

GERMAN 101 (I), 102 (II). Elementary German.
Conversation, reading, grammar, and composition. 3 class hours, one laboratory hour. Credit, 3.

GERMAN 107 (I), 108 (II). Intermediate German.
Reading, conversation. Grammar review. Prerequisites, German 101 and 102. 3 class hours, one laboratory hour. Credit, 3.

SPANISH 101 (I), 102 (II). Elementary Spanish.
For students with no previous creditable training in Spanish. Intensive practice in the language skills. Upon completion of this course, most students are required to take Spanish 107 and 108 in order to fulfill the language requirement. 3 class hours, 2 laboratory sessions. Credit, 3.

SPANISH 107 (I), 108 (II). Intermediate Spanish.
For upperclassmen who have completed Spanish 101-102, and those freshmen and transfer students who are found qualified by placement examination. Training in the language skills, with emphasis on speaking and understanding; readings in cultural and literary texts. Students completing Spanish 108 fulfill the language requirement. 3 class hours. Credit, 3.

MATHEMATICS 011. Elementary College Algebra.
Intended for those students who offer only one unit of algebra for entrance. A review of elementary algebra and a more thorough study of such topics as quadratic equations, exponents and radicals, and progression. No college credit is given for this course. 3 class hours.

MATHEMATICS 111. Introductory Mathematics.
Basic set-theoretic and axiomatic concepts, number systems and equations. A study of elementary functions by the methods of algebra and analytic geometry. 3 class hours. Credit, 3.

MATHEMATICS 112. Finite Mathematics.
Probability, vectors, and matrices, and an introduction to linear programming. Prerequisite, Mathematics 111. 3 class hours. Credit, 3.

MATHEMATICS 121. Algebra and Trigonometry.
Fractions, quadratic equations, exponents, logarithms, variation, determinants of the second and third orders, and plane trigonometry. Students who have entrance credit in trigonometry cannot take Mathematics 121 for University credit. 3 class hours. Credit, 3.

MATHEMATICS 123. Analytic Geometry and Calculus I.
Logic, sets, topics from algebra, introduction to analytic geometry, functions, limits and derivations, differentiation of algebraic functions, tangent and normal lines. 3 class hours. Credit, 3.

MATHEMATICS 124. Analytic Geometry and Calculus II.
Applications of the derivative, conic sections and other algebraic curves, the definite integral and some of its applications, differentiation of transcendental functions. Prerequisites, Mathematics 123 and Trigonometry. 3 class hours. Credit, 3.

MATHEMATICS 135. Introductory Engineering Mathematics.
Introduction to analytic geometry and calculus. 3 class hours. Credit, 3.

MATHEMATICS 136. Introductory Calculus for Engineering.
Continuation of Mathematics 135. Prerequisite, Mathematics 135. 3 class hours. Credit, 3.

MUSIC 101 (I) (II). Music Appreciation — Introduction to Music.
Open to all students not majoring in music. Previous musical training is not required. Basic music materials, principles of design, and the cultural significance of representative works from the 19th century to the present are studied and discussed. 3 class hours. Credit, 3.

PHILOSOPHY 105 (I) (II). Introduction to Philosophy.
An introduction to some of the general questions, ideas, theories, and methods of inquiry which have given direction to Western thought. 3 class hours. Credit, 3. (No prerequisite.)

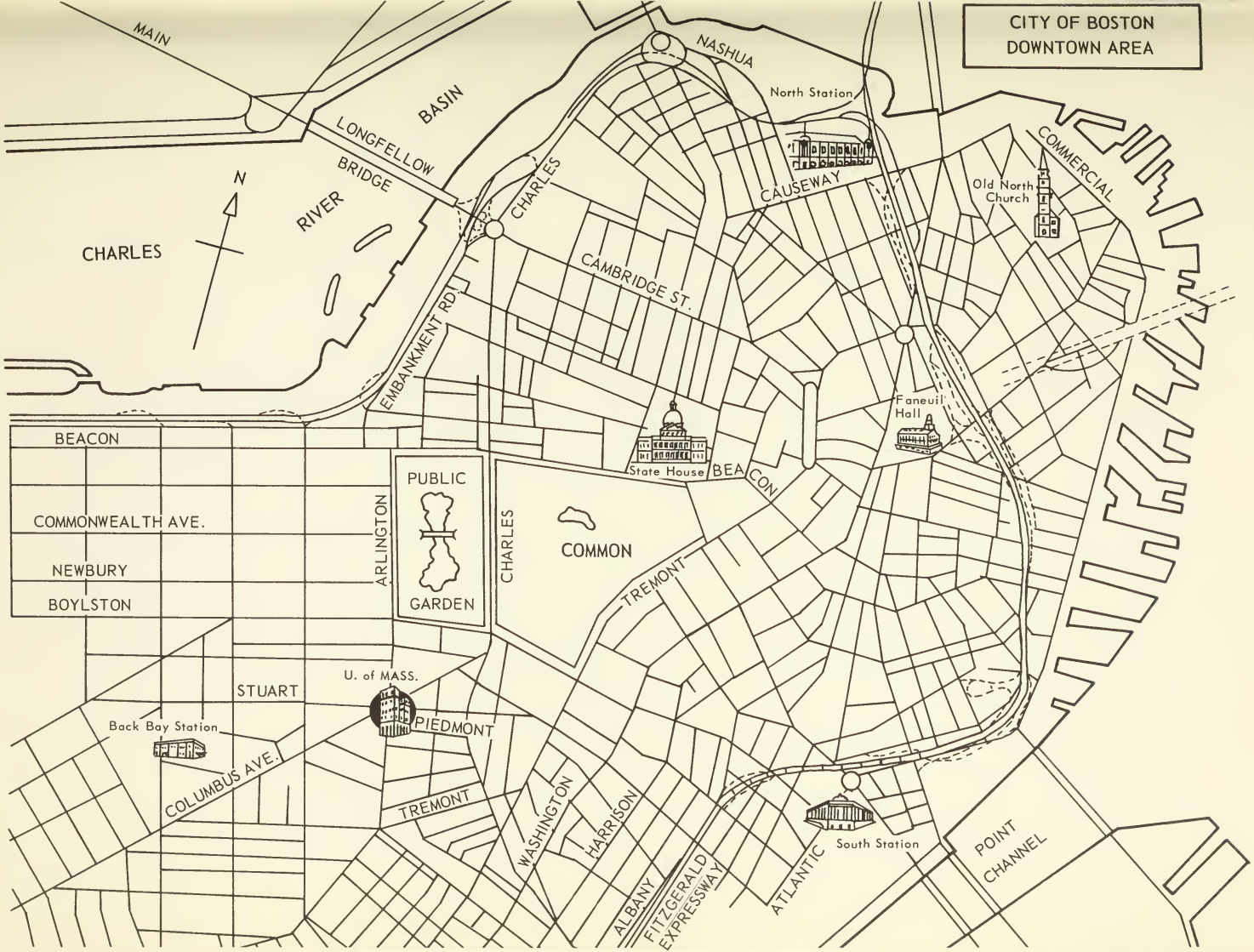
PHILOSOPHY 125 (I) (II). Introduction to Logic.
An inquiry into the nature of critical thinking, including (1) the function of language, (2) the structure of deductive arguments, (3) a glimpse at inductive methods. 3 class hours. Credit, 3. (No prerequisite.)

PSYCHOLOGY 101 (I) (II). General Psychology.
An introduction to the principles and study of behavior. Topics considered include development of behavior, sensation, learning, thinking, motivation, intelligence, attitudes, and personality. 3 class hours. Credit, 3.

SOCIOLOGY:

SOCIOLOGY 101 (I) (II). Introduction to Sociology.
A study of the social order and of the individual considered as a member of his various groups. 3 class hours. Credit, 3.

ANTHROPOLOGY 103 (I). Introduction to Physical Anthropology and Archaeology.
An introduction to the field. The course deals with human evolution, race and racism, prehistoric archaeology, culture history and the nature of culture. 3 class hours. Credit, 3.


CITY OF BOSTON
DOWNTOWN AREA
MAIN
NASHUA
North Station
BASIN
LONGFELLOW
BRIDGE
CHARLES
RIVER
N
CHARLES
CAUSEWAY
COMMERCIAL
Old North Church
CAMBRIDGE ST.
EMBANKMENT RD.
Faneuil Hall
State House
BEACON
BEACON
PUBLIC
GARDEN
COMMONWEALTH AVE.
NEWBURY
BOYLSTON
ARLINGTON
CHARLES
COMMON
TREMONT
STUART
U. of MASS.
PIEDMONT
Back Bay Station
COLUMBUS AVE.
TREMONT
WASHINGTON
HARRISON
ALBANY
FITZGERALD EXPRESSWAY
ATLANTIC
South Station
POINT
CHANNEL